

## **ABSTRACT**

The present invention is directed to RNA interference using novel compositions and methods. In particular embodiments, the RNA compositions comprise double strand regions interrupted with non-complementary regions, wherein the RNA compositions are effective for regulation of transcription. In specific embodiments, transcription of a target nucleic acid sequence to which the RNA composition is directed is reduced or inhibited, such as by inducing destruction of at least one transcript. In other embodiments, multiple target nucleic acid sequences are targeted by the RNA compositions of the present invention.